

No active trail

DELPHION**Select DR****Stop Tracking****RESEARCH****PRODUCTS****INSIDE DELPHION****Log Out****Work Files****Saved Searches****My Account**

Search: Quick/Number Boolean Advanced Derwent Help

Derwent Record[Email this to a friend](#)View: [Expand Details](#) Go to: [Delphion Integrated View](#)Tools: Add to Work File: [Create new Work File](#)[Add](#)**Derwent Title:** Synthetic slag melting unit - has cyclone chamber on same axis as bath, useful in steel refining**Original Title:** ☒ SU0910789A1: PLANT FOR MELTING SYNTHETIC SLAG**Assignee:** FERR METAL MECHN Soviet institute
UNIV DNEPR Standard company
Other publications from UNIV DNEPR (UYDN)...**Inventor:** GOLOVINSKI V A; KOVAL V P; ZHIGULA V A;**Accession/Update:** 1983-04115K / 198302**IPC Code:** C21C 5/54 ;**Derwent Classes:** **M24;****Manual Codes:** **M24-A05**(Apparatus for iron/steel production) , **M24-C**(Treatment of iron and steel melts [general])**Derwent Abstract:** (SU0910789B) The device comprises a cyclone melting chamber (1) mounted above the slag collection bath, a gas removal device, a spiral gas collector (3) between the cyclone chamber and bath and having a variable cross section increasing linearly in the direction of the outlet hole. The perimeter of the interval wall of the gas collector has a notch with blades mounted in it. The unit is useful in the melting of synthetic slags in steel refining, increases the heat utilisation factor by accelerating the transfer of heat from the high temp. ignition products resulting from ignition of the molten slag in the bath, and improves the cleaning of exit gases. Bul. 9/7.3.82.[Dwg.2/2](#)**Family:** PDF Patent Pub. Date Derwent Update Pages Language IPC Code

Priority Number:	Application Number	Filed	Original Title
	SU1980002888922	1980-03-04	PLANT FOR MELTING SYNTHETIC SLAG

Title Terms: SYNTHETIC SLAG MELT UNIT CYCLONE CHAMBER AXIS BATH USEFUL STEEL REFIN[Pricing](#) [Current charges](#)**Derwent Searches:** [Boolean](#) | [Accession/Number](#) | [Advanced](#)

Data copyright Thomson Derwent 2003



Copyright © 1997-2009 Thomson Reuters

[Subscriptions](#) | [Web Seminars](#) | [Privacy](#) | [Terms & Conditions](#) | [Site Map](#) | [Contact Us](#) | [Help](#)